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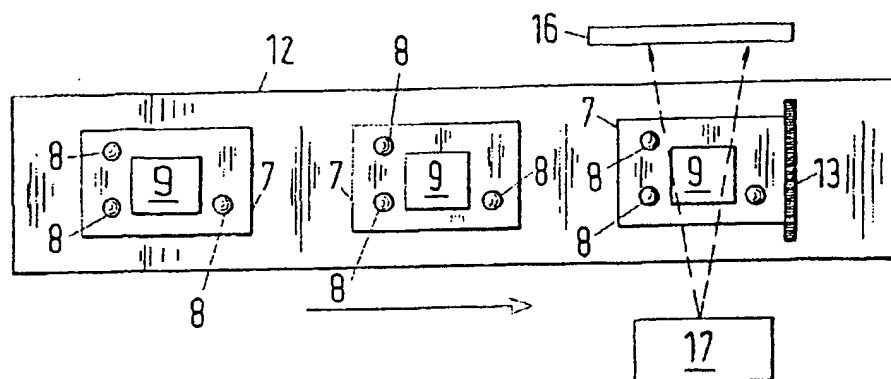
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(54) Title: METHOD FOR DETERMINING THE CO-ORDINATES OF A WORKPIECE

(54) Bezeichnung: BESTIMMUNG VON KOORDINATEN EINES WERKSTÜCKS



WO 2005/070567 A1 (57) Abstract: The invention relates to a method for determining the co-ordinates of a workpiece (9). According to said method: a first co-ordinate system, which has a fixed position in relation to the workpiece (9), is defined; first co-ordinates of the workpiece (9) are measured using a first co-ordinate measuring device (3); second co-ordinates of the workpiece (9) are measured using a second co-ordinate measuring device (5); and a common set of co-ordinates is generated from the first co-ordinates and the second co-ordinates in the first co-ordinate system or in a second co-ordinate system, which has a fixed position in relation to the workpiece (9). The method can be used in particular to determine co-ordinates of a plurality of workpieces (9) during and/or after the production and/or processing of the workpieces (9). The inventive method can also be applied if the workpiece (9) is displaced into a different position and/or orientation between the measuring operations carried out by the two co-ordinate measuring devices (3, 5).

(57) Zusammenfassung: Die Erfindung betrifft die Bestimmung von Koordinaten eines Werkstücks (9), wobei ein erstes Koordinatensystem festgelegt wird, das bezüglich dem Werkstück (9) fest positioniert ist, wobei erste Koordinaten des Werkstücks (9) unter Verwendung einer ersten Koordinatenmesseinrichtung (3) gemessen werden, wobei zweite Koordinaten des Werkstücks (9) unter Verwendung einer zweiten Koordinatenmesseinrichtung (5)

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gemessen werden, wobei aus den ersten Koordinaten und aus den zweiten Koordinaten ein gemeinsamer Satz Koordinaten in dem ersten Koordinatensystem oder in einem zweiten bezüglich dem Werkstück (9) fest positionierten Koordinatensystem erzeugt wird. Insbesondere können Koordinaten einer Vielzahl der Werkstücke (9) während und/oder nach einem Herstellungsprozess und/oder Bearbeitungsprozess der Werkstücke (9) bestimmt werden. Die Erfindung kann auch den Fall betreffen, dass das Werkstück (9) zwischen den Messungen mit den beiden Koordinatenmessenrichtungen (3), (5) in eine veränderte Position und/oder Lage gebracht wird.